

DOCUMENT RESUME

ED 139 432

IR 004 857

TITLE Metro Census of Scientific and Technical Periodicals.

INSTITUTION New York Metropolitan Reference and Research Library Agency, N.Y.

PUB DATE Sep 76

NOTE 24p.

EDRS PRICE MF-\$0.83 HC-\$1.67 Plus Postage.

DESCRIPTORS Classification; Librarians; *Library Surveys; Medicine; *Periodicals; *Reference Materials; Science Materials; *Sciences; Special Libraries; *Subject Index Terms; University Libraries

ABSTRACT

This subject guide, prepared for the METRO Sci-Tech Cooperation Discussion Group, is a bibliographic tool which will aid in the acquisition and use of scientific publications, particularly periodicals. A list of approximately two hundred periodical subject categories which cover science, technology, and medicine is given. The guide shows the number of current periodical titles which each of the 11 participating libraries subscribes to in each subject category. The purpose of the guide is to enable librarians at particular institutions to identify: (1) other libraries with similar subject emphases; (2) periodical resources at other institutions which may be needed at their institutions to support new programs for which they lack the resources; (3) specialized book collections in other libraries; and (4) strength and weaknesses in their own collections. It will also allow libraries to work out cooperative agreements for acquisition responsibilities and shared use. A list of participating libraries and an index of subject terms are included. (Author/AP)

* Documents acquired by ERIC include many informal unpublished *
* materials not available from other sources. ERIC makes every effort *
* to obtain the best copy available. Nevertheless, items of marginal *
* reproducibility are often encountered and this affects the quality *
* of the microfiche and hardcopy reproductions ERIC makes available *
* via the ERIC Document Reproduction Service (EDRS). EDRS is not *
* responsible for the quality of the original document. Reproductions *
* supplied by EDRS are the best that can be made from the original. *

METRO CENSUS OF SCIENTIFIC AND TECHNICAL PERIODICALS 1976

U.S. DEPARTMENT OF HEALTH,
EDUCATION & WELFARE
NATIONAL INSTITUTE OF
EDUCATION

THIS DOCUMENT HAS BEEN REPRODUCED EXACTLY AS RECEIVED FROM THE PERSON OR ORGANIZATION ORIGINATING IT. POINTS OF VIEW OR OPINIONS STATED DO NOT NECESSARILY REPRESENT OFFICIAL NATIONAL INSTITUTE OF EDUCATION POSITION OR POLICY.

ED139432

METRO Sci-Tech Discussion Group

METRO Miscellaneous Publication No. 10

ISSN 0076-7018



New York Metropolitan Reference and Research Library Agency
September 1976

IR004857

METRO CENSUS
OF
SCIENTIFIC AND TECHNICAL PERIODICALS

1976

METRO SCI-TECH COOPERATION DISCUSSION GROUP

CONTENTS

METRO Sci-Tech Discussion Group	ii
Participating Libraries	iii
Preface	iv
Q--General Science	1
QA--Mathematics	2
QB/QC--Astronomy and Physics	3
QC--Chemistry	4
QE--Earth Sciences	5
QH/QR--Biological Sciences	6
R--Medicine	9
S--Agriculture	11
T--Technology in General (includes Military and Naval Engineering)	12
TA/TH--General Engineering and Civil Engineering	13
TJ/TL--Mechanical and Electrical Engineering	14
TN/TR--Mining, Metallurgy, Chemical Engineering and Technology	15
TS/TX--Manufacturing, Beauty Culture and Home Economics	16
Index	17

PARTICIPATING LIBRARIES

<u>SYMBOL</u>	<u>LIBRARY</u>	<u>TITLES</u>
NBC	Brooklyn College Library	900+
NBP	Pratt Institute Library	215
NFQC	Queens College Library	1,068
NNCoCi	City College Library	1,321
*NNHuC	Hunter College Library	608
NNE	Engineering Societies Library	1,600
NNU	New York University. Elmer Holmes Bobst Library	1,557
NNU-CI	New York University. Courant Institute of Mathematical Sciences Library	580
**NjMSC	Montclair State College	448
NjN	Newark Public Library	466
NjTeaF	Fairleigh Dickinson University Libraries, Teaneck	<u>1,360</u>
		11,723

*Includes branch libraries.

**Data given for broad categories only.

PREFACE

Because of the importance, number, diversity of content, and substantial expense of scientific and technical periodicals, the development of an effective program for their cooperative acquisition and use has been one of the highest priorities of the METRO Sci-Tech Cooperation Discussion Group. The lack of adequate bibliographic tools--such as a regional union list of periodicals--has made it difficult to work out such a program in the METRO region. The METRO Census of Scientific and Technical Periodicals, while not a substitute for a union list, is a bibliographic tool which, we believe, will help to foster cooperation in the acquisition and use of scientific publications, especially periodicals. The Census is a list of about two hundred periodical subject categories which cover science, technology, and medicine. It is arranged by broad Library of Congress classification sections. The Census shows the number of current periodical titles which each participating library subscribes to in each subject category.

The Census is a subject guide to the scientific and technical periodical collections of participating libraries. It will enable librarians at particular institutions to identify: 1) other libraries with similar or complementary subject emphases; 2) periodical resources at other institutions which may be needed at their institutions to support new programs for which they lack the resources; 3) identify specialized book collections in other libraries. Librarians can use the Census to assess strengths and weaknesses in their own collections. The Census will also show comparative periodical strengths, weaknesses, and overlap by subject for participating institutions. This kind of information cannot be obtained from a union list of periodicals. Once librarians have identified other libraries with which they might cooperate, they can then proceed to work out experimental or permanent cooperative arrangements. Such arrangements might include divided acquisition responsibility between two or more libraries for specific subject areas, and even for individual periodical titles. Divided acquisition responsibility will lead naturally to shared use agreements, e.g., free exchange of photocopy for periodical articles, and interlibrary loan of books. Some libraries may want to develop reciprocal on-site use arrangements, and even reciprocal circulation of books.

Sources for the subject category terms used in the Census were: the subject categories used for the periodicals indexed in the Science Citation Index; the "Key to Subjects" in Ulrich's International Periodicals Directory; and the Library of Congress and Dewey Decimal classification systems. In addition, lists of periodical subject categories used at their libraries were supplied by Esther Tepper of the Mid-Manhattan Branch of The New York Public Library and Priscilla Teitelbaum of the Elmer Holmes Bobst Library of New York University. The subject categories for mathematics were developed in consultation with Roland Streit of the library of the Courant Institute of Mathematical Sciences of New York University. Subject terms were added, changed, or deleted on recommendations from members of the Sci-Tech Cooperation Discussion Group. The Sci-Tech Group's Task Force on Experimental Cooperation was responsible for initial development of the Census. Members of this Task Force were: Leonard Cohan, Joyce Schaffer, Walter Wolff, and Jackson Cohen, who was Chairman of the Task Force, and who also edited and compiled the Census.

July 1976

Q--GENERAL SCIENCE

CYBERNETICS

NBC	5	NNU	7
NFQC	1	NjN	1
NNCoCi	1	NjTeaF	2
NNE	1		

DOCUMENTATION OF SCIENCE
AND TECHNOLOGY

NBC	15	NNHuC	4
NBP	18	NjN	1
NFQC	11		
NNCoCi	22		
NNE	7		

GENERAL SCIENCE

NBC	39	NNHuC	31
NBP	12	NNU	96
NFQC	68	NjMSC	46
NNCoCi	33	NjN	18
NNE	7		

HISTORY OF THE SCIENCES

NBC	4	NNHuC	6
NBP	1	NNU	5
NFQC	8	NjTeaF	2
NNCoCi	4		

SCIENTIFIC APPARATUS AND
INSTRUMENTS

NBC	3	NNHuC	2
NBP	2	NjN	1
NFQC	4	NjTeaF	1
NNCoCi	4		
NNE	27		

TOTALS

NBC	66	NNHuC	43
NBP	33	NNU	104
NFQC	92	NjMSC	46
NNCoCi	44	NjN	22
NNE	106	NjTeaF	8

QA--MATHEMATICS

ALGEBRA, ARITHMETIC AND
NUMBER THEORY

NBC	4	NNHuC	2
NFQC	8	NNU	1
NNCoCi	3	NNU-CI	36
		NjTeaF	3

ORDINARY AND PARTIAL DIFFERENTIAL
EQUATIONS

NFQC	1	NjTeaF	1
NNCoCi	1		
NNU-CI	21		

APPLIED MATHEMATICS

NBC	7	NNU-CI	101
NBP	3	NjN	6
NFQC	12	NjTeaF	4
NNCoCi	6		

PROBABILITY AND STATISTICS

NBC	11	NNHuC	7
NFQC	8	NNU-CI	25
NNCoCi	4	NjN	2
		NjTeaF	3

COMPUTER SCIENCE

NBC	6	NNHuC	13
NBP	17	NNU	7
NFQC	31	NNU-CI	42
NNCoCi	18	NjN	6
NNE	55	*NjTeaF	35

TOTALS

NBC	104	NNHuC	57
NBP	31	NNU	30
NFQC	132	NNU-CI	580
NNCoCi	67	NjMSC	58
NNE	97	NjN	19
		NjTeaF	82

*Includes COMPUTER TECHNOLOGY

GEOMETRY AND TOPOLOGY

NBC	4	NNHuC	2
NFQC	6	NNU-CI	26
NNCoCi	3	NjTeaF	3

MATHEMATICAL ANALYSIS

NBC	5	NNHuC	1
NFQC	3	NNU	3
NNCoCi	5	NNU-CI	141
		NjTeaF	1

MATHEMATICS IN GENERAL

NBC	67	NNHuC	30
NBP	9	NNU	19
NFQC	60	NNU-CI	121
NNCoCi	25	NjMSC	58
NNE	42	NjN	4
		NjTeaF	30

NUMERICAL ANALYSIS AND
OPERATIONS RESEARCH

NBC	1	NNU-CI	37
NBP	2	NjN	1
NFQC	4	NjTeaF	2
NNCoCi	2		

QB/QC--ASTRONOMY AND PHYSICS

ACOUSTICS

NBC	2	NNHuC	1
NFQC	2	NNU	5
NNCoCi	4	NjN	1
NNE	19	NjTeaF	1

METEOROLOGY

NBC	7	NNHuC	3
NFQC	7	NNU	5
NNCoCi	12	NjN	1
		NjTeaF	3

ASTRONOMY

NBC	6	NNE	2
NBP	1	NNHuC	6
NFQC	6	NNU	23
NNCoCi	10	NjN	4
		NjTeaF	6

NUCLEAR AND PARTICLE PHYSICS

NBC	19	NNE	54
NBP	2	NNHuC	3
NFQC	16	NNU	21
NNCoCi	11	NjN	2
		NjTeaF	6

ASTROPHYSICS

NFQC	6	NNU	5
NNCoCi	4	NjN	1
NNHuC	3	NjTeaF	2

OPTICS

NBC	2	NNHuC	2
NBP	1	NNU	18
NFQC	3	NjN	2
NNCoCi	12	NjTeaF	8

ELECTRICITY AND MAGNETISM

NFQC	1	NNU	21
NNE	107		

PHYSICS IN GENERAL

NBC	40	NNHuC	19
NBP	7	NNU	73
NFQC	51	NjMSC	29
NNCoCi	52	NjN	15
NNE	75	NjTeaF	20

GEOPHYSICS

NBC	13	NNHuC	1
NFQC	6	NNU	7
NNCoCi	9	NjN	1
NNE	11	NjTeaF	7

SOLID STATE PHYSICS

NBC	7	NNHuC	3
NFQC	10	NNU	25
NNCoCi	10	NjN	1
		NjTeaF	5

HEAT

NBC	2	NNU	6
NNCoCi	4	NjTeaF	1
NNE	1		

SPECTROSCOPY (Physics, c.f. Chemical Spect.)

NBC	3	NjTeaF	6
NFQC	3		
NNCoCi	5		

MATHEMATICAL PHYSICS

NBC	3	NNU	1
NNCoCi	9	NjN	1
NNHuC	1	NjTeaF	1

TOTALS

NBC	105	NNHuC	43
NBP	11	NNU	214*
NFQC	122	NjMSC	29
NNCoCi	154	NjN	31
NNE	269	NjTeaF	65

MECHANICS

NBC	1	NNHuC	1
NFQC	1	NNU	2
NNCoCi	12	NjN	2

*Includes two titles in a category not listed

QD--CHEMISTRY

ANALYTICAL CHEMISTRY

NBC	15	NNE	2
NBP	1	NNHuC	4
NFQC	14	NNU	15
NNCoCi	8	NjN	5
		NjTeaF	5

PHYSICAL AND THEORETICAL CHEMISTRY

NBC	22	NNE	9
NBP	1	NNHuC	8
NFQC	11	NNU	52
NNCoCi	5	NjN	6
		NjTeaF	9

CHEMICAL SPECTROSCOPY

NBC	4	NNHuC	5
NFQC	5	NNU	5
NNCoCi	3		

POLYMER CHEMISTRY

NBC	8	NNHuC	1
NFQC	2	NNU	13
NNCoCi	9	NjN	5
NNE	13	NjTeaF	3

CHEMISTRY IN GENERAL

NBC	38	NNHuC	29
NBP	16	NNU	67
NFQC	42	NjMSC	29
NNCoCi	61	NjN	18
NNE	31	NjTeaF	17

QUANTUM CHEMISTRY

NNCoCi	1	NNHuC	2
--------	---	-------	---

TOTALS

NBC	116	NNHuC	67
NBP	20	NNU	229
NFQC	102	NjMSC	29
NNCoCi	116	NjN	43
NNE	66	NjTeaF	48

CRYSTALLOGRAPHY

NBC	2	NNHuC	1
NFQC	3	NjN	8
NNCoCi	3	NjN	2
NNE	4	NjTeaF	5

ELECTROCHEMISTRY

NBC	1	NNE	7
NNCoCi	2	NjN	1

INORGANIC CHEMISTRY

NBC	6	NNHuC	6
NNCoCi	7	NNU	20
		NjTeaF	2

ORGANIC CHEMISTRY

NBC	19	NNHuC	8
NBP	1	NNU	45
NFQC	14	NjN	3
		NjTeaF	6

PHOTOCHEMISTRY

NBC	1	NNHuC	3
NFQC	2	NNU	4
NNCoCi	3	NjTeaF	1

QE--EARTH SCIENCES

EARTH SCIENCES IN GENERAL

NBC	9	NNHuC	1
NBP	3	NNU	47
NFQC	18	NjMSC	43
NNCoCi	21	NjTeaF	3
NNE	38		

ECONOMIC GEOLOGY

NBC	1	NjN	1
NFQC	1		
NNHuC	1		

GEOCHEMISTRY

NBC	3	NNU	17
NFQC	3		
NNCoCi	2		

GEOLOGY

NBC	19	NNHuC	7
NFQC	38	NNU	5
NNCoCi	27	NjN	4
		NjTeaF	6

MINERALOGY

NBC	6	NNHuC	3
NFQC	13	NNU	6
NNCoCi	4	NjN	1
NNE	6		

OCEANOGRAPHY

NBC	9	NNE	12
NBP	1	NNHuC	5
NFQC	15	NjN	4
NNCoCi	37	NjTeaF	8

PALEOBOTANY

NFQC	1	NNU	2
------	---	-----	---

PALEONTOLOGY

NBC	5	NNHuC	3
NFQC	18	NNU	13
NNCoCi	3	NjN	1
NNE	2		

PETROLOGY

NBC	4	NNHuC	1
NFQC	3	NNU	4
NNCoCi	3	NjTeaF	1

TOTALS

NBC	56	NNHuC	21
NBP	3	NNU	94
NFQC	110	NjMSC	29
NNCoCi	97	NjN	11
NNE	58	NjTeaF	18

QH to QR--BIOLOGICAL SCIENCES

ANATOMY AND MORPHOLOGY

NBC	5	NNHuC	4
NFQC	5	NNU	9
NNCoCi	7	NjTeaF	3

BOTANY

NBC	29	NNHuC	1
NFQC	23	NNU	25
NNCoCi	15	NjTeaF	13

ANIMAL BEHAVIOR

NBC	5	NNHuC	6
NFQC	13	NNU	15
NNCoCi	6	NjTeaF	1

CARDIOVASCULAR SYSTEM

NjTeaF 11

ANIMAL PHYSIOLOGY

NBC	22	NNHuC	6
NFQC	2	NNU	8
NNCoCi	12	NjN	2
		NjTeaF	1

CYTOLOGY AND HISTOLOGY

NBC	20	NNHuC	10
NFQC	10	NNU	22
NNCoCi	12	NjTeaF	10

BACTERIOLOGY

NBC	2	NNHuC	2
NFQC	2	NNU	1
NNCoCi	2	NjN	1
		NjTeaF	3

ECOLOGY

NBC	10	NNU	11
NFQC	16	NjN	2
NNCoCi	12	NjTeaF	9

BIOCHEMISTRY

NBC	31	NNHuC	19
NFQC	39	NNU	38
NNCoCi	42	NjN	4
		NjTeaF	23

EMBRYOLOGY

NBC	4	NNHuC	1
NFQC	3	NNU	6
NNCoCi	3	NjTeaF	2

ENDOCRINOLOGY

NBC	2	NNHuC	6
NFQC	3	NjTeaF	9
NNCoCi	13		

BIOLOGY IN GENERAL

NBC	25	NNHuC	12
NFQC	8	NNU	66
NNCoCi	10	NjMSC	93
		NjN	8
		NjTeaF	28

ENTOMOLOGY

NBC	9	NNHuC	1
NFQC	9	NjN	1
		NjTeaF	2

BIOMETRY

NBC	2	NjTeaF	1
NNCoCi	2		
NNHuC	2		

ENZYMOMOLOGY

NBC	2	NNU	3
NNHuC	2	NjTeaF	1

BIOPHYSICS

NBC	5	NNHuC	5
NFQC	3	NNU	16
NNCoCi	3	NjTeaF	7

EXPERIMENTAL BIOLOGY

NBC	1	NNHuC	6
NFQC	4	NjN	4
NNCoCi	3	NjTeaF	1

QH to QR--BIOLOGICAL SCIENCES (Continued)

GENETICS AND HEREDITY

NBC	16	NNHuC	17
NFQC	29	NNU	11
NNCoCi	18	NjN	2
		NjTeaF	14

HUMAN ANATOMY AND PHYSIOLOGY

NFQC	15	NNU	36
NNCoCi	6	NjTeaF	21

IMMUNOLOGY

NBC	2	NNHuC	2
NFQC	2	NNU	14
NNCoCi	7	NjTeaF	6

LIMNOLOGY

NFQC	4	NjTeaF	1
NNHuC	1		

MICROBIOLOGY

NBC	2	NNU	15
NFQC	14	NjN	1
NNCoCi	11	NjTeaF	11
NNHuC	3		

MICROSCOPY

NBC	6	NNU	7
NFQC	3	NjTeaF	5
NNCoCi	4		

MYCOLOGY

NBC	2	NNHuC	4
NFQC	3	NjTeaF	1
NNCoCi	4		

MOLECULAR BIOLOGY

NBC	4	NNHuC	2
NFQC	8	NjTeaF	2
NNCoCi	3		

NATURAL HISTORY

NBC	6	NNHuC	1
NFQC	3	NNU	22
NNCoCi	11	NjN	1
		NjTeaF	4

ORNITHOLOGY

NFQC	5	NjN	3
NNCoCi	3	NjTeaF	2

NEUROBIOLOGY

NBC	16	NNHuC	13
NFQC	1	NNU	2
NNCoCi	1		

PARASITOLOGY

NBC	5	NNU	1
NFQC	4	NjTeaF	2
NNCoCi	5		

PHYSICAL ANTHROPOLOGY

NFQC	1	NjN	2
NNHuC	7	NjTeaF	4

PHYSIOLOGICAL PSYCHOLOGY

NFQC	30	NNU	24
NNHuC	12	NjN	1
		NjTeaF	4

PLANT ANATOMY

NFQC	3	NjTeaF	1
NNU	2		

PLANT ECOLOGY

NBC	1	NjN	1
-----	---	-----	---

PLANT PHYSIOLOGY

NBC	1	NNHuC	1
NNCoCi	6	NNU	8

REPRODUCTION

NBC	1	NNHuC	2
NFQC	1	NNU	1
NNCoCi	3	NjTeaF	1

VIROLOGY

NBC	3	NNHuC	3
NFQC	4	NNU	7
NNCoCi	12	NjTeaF	2

QH to QR--BIOLOGICAL SCIENCES (Continued)

ZOOLOGY

NBC	24	NNHuC	2
NFQC	27	NNU	37
NNCoCi	12	NjN	5
		NjTeaF	10

TOTALS

NBC	270	NNU	400
NFQC	317	NjMSC	93
NNCoCi	311	NjN	44
NNHuC	150	NjTeaF	216

R--MEDICINE

ALCOHOLISM

NBC	3	NNU	2
NNCoCi	1	NjN	1
NNHuC	1	NjTeaF	2

GERIATRICS

NBC	2	NNHuC	8
NFQC	7	NjN	1
NNCoCi	6	NjTeaF	14

ALLERGY

NNCoCi	3	NjTeaF	1
--------	---	--------	---

GYNECOLOGY AND OBSTETRICS

NBC	1	NjTeaF	1
NNCoCi	8		

ANESTHESIA

NNCoCi	3	NjTeaF	11
--------	---	--------	----

HERMATOLOGY

NFQC	1	NNHuC	3
NNCoCi	8	NNU	11
		NjTeaF	9

BIOMEDICAL ENGINEERING

NNCoCi	2	NNU	5
		NjTeaF	11

HOSPITALS

NNCoCi	8	NjN	4
NNU	7	MjTeaF	4
NNHuC	9		

CANCER

NBC	5	NNHuC	6
NFQC	5	NNU	2
NNCoCi	8	NjTeaF	15

INDUSTRIAL MEDICINE

NBC	2	NNU	3
NNCoCi	3	NjN	2
		NjTeaF	2

DENTISTRY

NBC	1	NjTeaF	415
NNCoCi	5		

LABORATORY MEDICINE

NFQC	1	NNHuC	5
NNCoCi	2	NjTeaF	8

DERMATOLOGY

NNCoCi	4	NjTeaF	2
--------	---	--------	---

DRUG ABUSE

NFQC	9	NNU	1
NNHuC	6	NjTeaF	6

MEDICINE IN GENERAL

NBC	35	NNHuC	22
NBP	2	NNU	21
NFQC	24	NjMSC	53
NNCoCi	77	NjN	37
		NjTeaF	40

EXPERIMENTAL MEDICINE

NBC	2	NNHuC	1
NNCoCi	6	NNU	3
		NjTeaF	4

NEUROLOGY AND PSYCHIATRY

NBC	50	NNU	46
NFQC	44	NjN	6
NNCoCi	18	NjTeaF	48
NNHuC	14		

FORENSIC MEDICINE

NNCoCi	2		
--------	---	--	--

GASTROENTEROLOGY

NBC	1	NjTeaF	3
NNCoCi	5		

NURSING

NBC	2	NNU	15
NNCoCi	30	NjN	3
NNHuC	35	NjTeaF	10

R--MEDICINE (Continued)

NUTRITION AND DIETETICS

NBC	9	NNHuC	13
NBP	10	NNU	8
NFQC	18	NjN	4
NNCoCi	30	NjTeaF	8

OPHTHALMOLOGY AND OPTOMETRY

NBC	1	NNU	2
NNCoCi	6		

OTORHINOLARYNGOLOGY

NBC	3	NNCoCi	8
NFQC	15	NNU	4
NNHuC	6	NjTeaF	1

PATHOLOGY

NNCoCi	8	NNU	6
NNHuC	1	NjTeaF	12

PEDIATRICS

NBC	4	NNCoCi	13
NFQC	1	NNHuC	7
		NNU	7
		NjTeaF	4

PHARMACOLOGY AND THERAPEUTICS

NBC	10	NNHuC	5
NFQC	5	NNU	18
NNCoCi	19	NjN	1
		NjTeaF	22

PUBLIC HEALTH AND PREVENTIVE MEDICINE

NBC	18	NNHuC	24
NFQC	12	NNU	21
NNCoCi	10	NjN	8
		NjTeaF	20

RADIOLOGY AND NUCLEAR MEDICINE

NNCoCi	9	NNU	9
NNHuC	1	NjTeaF	5

SPORTS MEDICINE

NNHuC	2		
NNU	2		

STATE MEDICINE

NNCoCi	3	NNU	6
--------	---	-----	---

SURGERY

NFQC	1	NNHuC	2
NNCoCi	25	NNU	2
		NNTeaF	8

TOXICOLOGY

NNCoCi	3	NNU	5
		NjTeaF	3

TROPICAL MEDICINE

NBC	1	NNU	3
NNCoCi	2		

UROGENITAL SYSTEM

NNCoCi	5		
NNHuC	1		

TOTALS

NBC	150	NNHuC	172
NBP	12	NNU	204
NFQC	144	NjMSC	53
NNCoCi	318	NjN	37
		NjTeaF	689

S--AGRICULTURE

AGRICULTURAL CHEMISTRY

NBC	1	NjN	3
NNHuC	2	NjTeaF	1

VETERINARY MEDICINE

NBC	1	NNCoCi	1
-----	---	--------	---

TOTALS

AGRICULTURE IN GENERAL

NBC	1	NNE	6
NBP	2	NNHuC	1
NFQC	1	NNU	17
NNCoCi	2	NjN	5
		NjTeaF	12

NBC	13	NNHuC	10
NBP	3	NNU	27
NFQC	9	NjN	18
NNCoCi	12	NjTeaF	39
NNE	9		

CONSERVATION

NBC	2	NjN	7
NFQC	4	NjTeaF	20
NNHuC	6		

CROP PRODUCTION AND SOILS

NNCoCi	1	NjN	1
		NjTeaF	3

DAIRYING AND DAIRY PRODUCTS

NNCoCi	1
--------	---

FISH CULTURE AND FISHERIES

NFQC	3	NNU	3
NNCoCi	3	NjTeaF	1

FORESTS AND FORESTRY

NBP	1	NNE	3
NNCoCi	1	NjN	2
NNHuC	1	NjTeaF	1

GARDENING AND HORTICULTURE

NNCoCi	3
--------	---

PLANTS AND SOILS

NBC	1	NNU	1
		NjTeaF	1

POULTRY AND LIVESTOCK

NFQC	1
------	---

T--TECHNOLOGY IN GENERAL
(Including UG and VM, Military and Naval Engineering)

HISTORY OF ENGINEERING AND
TECHNOLOGY

NNCoCi 1

HUMAN ENGINEERING

NBC 1 NjN 1

NNCoCi 1

INDUSTRIAL ENGINEERING AND
MANAGEMENT

NBP 3 NjN 4

NNCoCi 9 NjTeaF 5

NNE 54

INDUSTRIAL SAFETY

NNCoCi 1 NjN 2

NNE 6 NjTeaF 1

METROLOGY AND STANDARDIZATION

NBP 3 NNE 7

NNCoCi 1 NjN 4

NjTeaF 2

MILITARY AND NAVAL ENGINEERING

NFQC 1 NNE 1

NNCoCi 1 NjN 4

SHIPBUILDING

NNE 30 NjN 1

TECHNOLOGY IN GENERAL

NBC 1 NNCoCi 16

NBP 2 NNHuC 3

NFQC 1 NNU 17

NjMSC 56

NjN 8

NjTeaF 12

TOTALS

NBC 3 NNHuC 3

NBP 8 NNU 23

NFQC 9 NjMSC 56

NNCoCi 32 NjN 24

NNE 102 NjTeaF 20

TA to TH--GENERAL ENGINEERING AND CIVIL ENGINEERING

BUILDING CONSTRUCTION

NBP	13	NNE	30
NNCoCi	2	NjN	4
NNHuC	1	NjTeaF	3

CIVIL ENGINEERING

NBP	1	NNE	85
NNCoCi	3	NjN	5
		NjTeaF	3

ENGINEERING IN GENERAL

NBP	8	NNU	28
NNCoCi	18	NjN	14
		NjTeaF	13

ENGINEERING INSTRUMENTS

NBP	1	NjN	5
NNCoCi	4	NjTeaF	6

ENVIRONMENTAL ENGINEERING
INCLUDING ENVIRONMENTAL
POLLUTION

NBC	6	NNE	30
NBP	6	NNHuC	18
NFQC	9	NNU	18
NNCoCi	3	NjN	12
		NjTeaF	20

FIRE PREVENTION

NNCoCi	1	NNU	7
NNE	4	NjN	4
		NjTeaF	1

HEATING AND PLUMBING

NBP	2	NjN	4
NNCoCi	1	NjTeaF	1

HIGHWAY ENGINEERING AND ROADS
AND PAVEMENTS

NBP	1	NjN	5
NNCoCi	2	NjTeaF	1
NNE	21		

HYDRAULIC ENGINEERING

NBP	1	NNE	21
NNCoCi	3	NjN	1

MATERIALS OF ENGINEERING AND
CONSTRUCTION

NBP	1	NNE	50
NNCoCi	2	NNU	10
		NjN	3
		NjTeaF	4

RAILROAD ENGINEERING AND OPERATION

NBP	1	NNU	1
NNCoCi	1	NjN	2
NNE	3	NjTeaF	1

TOTALS

NBC	6	NNE	200
NBP	38	NNHuC	19
NFQC	9	NNU	64
NNCoCi	40	NjN	59
		NjTeaF	53

TJ to TL--MECHANICAL AND ELECTRICAL ENGINEERING

AEROSPACE ENGINEERING

NBP	3	NNE	35
NFQC	2	NNU	5
NNCoCi	3	NjN	11
NNHuC	1	NjTeaF	8

SOUND RECORDING AND REPRODUCTION

NBP	3	NNU	6
NNCoCi	2	NjN	2
		NjTeaF	2

COMPUTER TECHNOLOGY

NBC	1	NNE	55
NBP	1	NjN	3
NFQC	3		
NNCoCi	8		

TELECOMMUNICATION

NBP	1	NNU	5
NNCoCi	3	NjN	8
NNE	55	NjTeaF	5

TOTALS

ELECTRICAL AND ELECTRONICS ENGINEERING

NBC	6	NNE	107
NBP	20	NNU	20
NFQC	4	NjN	22
NNCoCi	45	NjTeaF	32

NBC	9	NNE	411
NBP	35	NNHuC	1
NFQC	10	NNU	74
NNCoCi	86	NjN	64
		NjTeaF	77

MACHINERY

NBP	1	NjN	5
NNCoCi	4	NjTeaF	1
NNE	*		

*INCLUDED IN MECHANICAL ENGINEERING

MECHANICAL ENGINEERING

NBP	3	NNU	10
NNCoCi	12	NjN	7
NNE	96	NjTeaF	19

MOTOR VEHICLES

NBP	3	NNU	2
NNCoCi	4	NjN	5
NNE	7	NjTeaF	2

NUCLEAR ENGINEERING AND ATOMIC POWER

NBP	2	NNE	56
NFQC	1	NNU	26
NNCoCi	5	NjN	1
		NjTeaF	8

TN to TR--MINING, METALLURGY, CHEMICAL ENGINEERING AND TECHNOLOGY

ADHESIVES

NjN 1

CERAMICS

NFQC 1 NNU 1
NNCoCi 2 NjN 4
NjTeaF 3

CHEMICAL ENGINEERING

NBC 9 NNE 58
NBP 11 NNHuC 2
NFQC 4 NNU 33
NNCoCi 16 NjN 10
NjTeaF 7

CLEANING AND DYEING

NjN 1

FOOD PROCESSING AND MANUFACTURE

NBC 2 NNE 2
NBP 2 NNHuC 3
NFQC 5 NNU 1
NNCoCi 2 NjN 2
NjTeaF 2

FUEL

NNCoCi 6 NjN 4
NNE 11

METALLURGY

NFQC 4 NNU 15
NNCoCi 5 NjN 20
NNE 99 NjTeaF 4

PAINTS AND PROTECTIVE COATINGS

NBP 1 NjN 1
NNCoCi 2
NNE 4

PERFUMES AND COSMETICS

NjN 2

PETROLEUM REFINING AND PRODUCTS

NNCoCi 3 NjN 9
NNE 15 NjTeaF 4

PHOTOGRAMMETRY

NNE 14
NNHuC 2

PHOTOGRAPHY

NBC 1 NNU 13
NNE 7 NjN 1
NNHuC 10 NjTeaF 5

PLASTICS AND PLASTICS MANUFACTURE

NBP 3 NjN 5
NNCoCi 8 NjTeaF 4
NNE 35

REFRIGERATION

NNCoCi 2 NjN 2
NNE 7 NjTeaF 1

TOTALS

NBC 13 NNE 330
NBP 16 NNHuC 17
NFQC 14 NNU 65
NNCoCi 58 NjN 71
NjTeaF 30

TS to TX--MANUFACTURING, BEAUTY CULTURE AND HOME ECONOMICS

BEAUTY CULTURE

NjN 1

WOOD AND WOOD TECHNOLOGY

NNE 2 NjTeaF 1

HOME ECONOMICS

TOTALS

NBC 4 NNU 16
NFQC 12 NjN 1
NNHuC 6 NjTeaF 4

NBC 4 NNE 78
NBP 4 NNHuC 7
NFQC 19 NNU 29
NjMSC 59
NjN 23
NjTeaF 15

HOTELS AND RESTAURANTS

NFQC 1 NjN 1
NNU 8
NNHuC 1

LEATHER AND FUR INDUSTRIES

NjN 1

PACKAGING

NBP 2 NjN 1
NNE 3 NjTeaF 2

PAPER

NNE 7 NjN 1
NNHuC 1 NjTeaF 1

PRODUCTION MANAGEMENT

NNE * NjN 7
NNU 1 NjTeaF 4

*INCLUDED UNDER INDUSTRIAL
ENGINEERING AND MANAGEMENT

RUBBER INDUSTRY

NNE 17 NjN 1

TEXTILE INDUSTRIES AND FABRICS

NFQC 6 NNU 3
NNE 12 NjN 5
NjTeaF 2

WELDING

NBP 2 NjN 3
NNE 30 NjTeaF 1

INDEX

NOTE: This index consists of the subject terms used in the Census. The broad subject terms listed in the table of contents, such as chemistry or physics, are not repeated in this index.

- | | |
|--|---|
| Acoustics, 3 | Electrical and Electronics Engineering, 14 |
| Adhesives, 15 | Electricity and Magnetism, 3 |
| Aerospace Engineering, 14 | Electrochemistry, 4 |
| Agricultural Chemistry, 11 | Embryology, 6 |
| Alcoholism, 9 | Endocrinology, 6 |
| Algebra, 2 | Engineering Instruments, 13 |
| Allergy, 9 | Engineering Materials, 13 |
| Analytical Chemistry, 4 | Entomology, 6 |
| Anatomy, 6 | Environmental Engineering and Pollution, 13 |
| Anesthesia, 9 | Enzymology, 6 |
| Animal Behavior, 6 | Experimental Biology, 6 |
| Animal Physiology, 6 | Experimental Medicine, 9 |
| Applied Mathematics, 2 | Fabrics, 16 |
| Arithmetic, 2 | Fire Prevention, 13 |
| Astronomy and Astrophysics, 3 | Fish Culture and Fisheries, 11 |
| Atomic Power, 14 | Food Processing and Manufacture, 15 |
| Bacteriology, 6 | Forensic Medicine, 9 |
| Beauty Culture, 16 | Forests and Forestry, 11 |
| Biochemistry, 6 | Fuel, 15 |
| Biomedical Engineering, 9 | Gardening, 11 |
| Biometry, 6 | Gastroenterology, 9 |
| Biophysics, 6 | Genetics, 7 |
| Botany, 6 | Geochemistry, 5 |
| Building Construction, 13 | Geology, 5 |
| Cancer, 9 | Geometry, 2 |
| Ceramics, 15 | Geophysics, 3 |
| Chemical Engineering, 15 | Geriatrics, 9 |
| Civil Engineering, 13 | Gynecology, 9 |
| Cleaning and Dyeing, 15 | Heat, 3 |
| Computer Science, 2 | Heating, 13 |
| Computer Technology, 14 | Hematology, 9 |
| Conservation, 11 | Heredity, 7 |
| Construction Materials, 13 | Highway Engineering, 13 |
| Crop Production, 11 | Histology, 6 |
| Crystallography, 4 | History of Engineering and Technology, 2 |
| Cybernetics, 1 | History of the Sciences, 1 |
| Cytology, 6 | Horticulture, 11 |
| Dairying and Dairy Products, 11 | Hospitals, 9 |
| Dentistry, 9 | Hotels and Restaurants, 6 |
| Dermatology, 9 | Human Anatomy and Physiology, 7 |
| Differential Equations, 2 | Human Engineering, 12 |
| Documentation of Science and Technology, 1 | Hydraulic Engineering, 13 |
| Drug Abuse, 9 | Immunology, 7 |
| Ecology, 6 | Industrial Engineering and Management, 12 |
| Economic Geology, 5 | Industrial Medicine, 9 |
| | Industrial Safety, 12 |

INDEX (continued)

- Inorganic Chemistry, 4
 Laboratory medicine, 9
 Leather and Fur Industries, 16
 Limnology, 7
 Machinery, 14
 Mathematical Analysis, 2
 Mathematical Physics, 3
 Mechanics, 3
 Metallurgy, 15
 Meteorology, 3
 Metrology, 12
 Microbiology, 7
 Microscopy, 7
 Military Engineering, 12
 Mineralogy, 5
 Molecular Biology, 6
 Morphology, 6
 Motor Vehicles, 14
 Mycology, 7
 Natural History, 7
 Naval Engineering, 12
 Neurobiology, 7
 Neurology, 9
 Nuclear Engineering, 14
 Nuclear Physics, 3
 Number Theory, 2
 Numerical Analysis, 2
 Nursing, 9
 Nutrition and Dietetics, 10
 Obstetrics, 9
 Oceanography, 5
 Operations Research, 2
 Ophthalmology and Optometry, 10
 Optics, 3
 Organic Chemistry, 4
 Ornithology, 7
 Otorhinolaryngology, 10
 Packaging, 16
 Paints and Protective Coatings, 15
 Paleobotany, 5
 Paleontology, 5
 Paper, 16
 Parasitology, 7
 Particle Physics, 3
 Pathology, 10
 Pediatrics, 10
 Perfumes and Cosmetics, 15
 Petroleum Refining and Products, 15
 Petrology, 5
 Pharmacology and Therapeutics, 10
 Photochemistry, 4
 Photogrammetry, 15
 Photography, 15
 Physical Chemistry, 4
 Physical Anthropology, 7
 Physiological Psychology, 7
 Plant Anatomy, Ecology and Physiology, 7
 Plants and Soils, 11
 Plastics and Plastics Manufacture, 15
 Plumbing, 13
 Polymer Chemistry, 4
 Poultry and Livestock, 11
 Probability, 2
 Production Management, 16
 Psychiatry, 9
 Public Health and Preventive Medicine, 10
 Radiology and Nuclear Medicine, 10
 Railroad Engineering and Operation, 13
 Refrigeration, 15
 Reproduction, 7
 Roads and Pavements, 13
 Rubber Industry, 16
 Scientific Apparatus and Instruments, 1
 Shipbuilding, 12
 Soils, 11
 Solid State Physics, 3
 Sound Recording and Reproduction, 14
 Spectroscopy, Chemical, 4
 Spectroscopy (Physics), 3
 Sports Medicine, 10
 Standardization, 12
 State Medicine, 10
 Statistics, 2
 Surgery, 10
 Telecommunication, 14
 Textile Industries, 16
 Theoretical Chemistry, 4
 Topology, 2
 Toxicology, 10
 Tropical Medicine, 10
 Urogenital System, 10
 Veterinary Medicine, 11
 Virology, 7
 Welding, 16
 Wood and Wood Technology, 16
 Zoology, 8